



POINT TO POINT WIRE RUNNING LIST			
FROM	WIRE SIZE (AWG)	MAX DISTANCE (FT)	TO
SOLAR PANEL (+)	18	12	EMERGENCY BATTERY (+)
SOLAR PANEL (-)	18	12	EMERGENCY BATTERY (-)
EMERGENCY BATTERY (+)	12		ESB-DC, TB2, EMERG BATT (+)
ESB-DC, TB1 (+)	12		MAIN RANGE LT, CG-493 (+)
ESB-DC, TB1 (-)	12		MAIN RANGE LT, CG-493 (-)
ESB-DC, TB2, CG-493 (+)	12*	15	EMERGENCY RANGE LT, CG-493 (+)
EMERGENCY BATTERY (-)	12*	15	EMERGENCY RANGE LT, CG-493 (-)
EMERGENCY RANGE LT, CG-493 (F)	12		EMERGENCY RANGE LT, CG-6P (F)
EMERGENCY RANGE LT, CG-493 (L)	12		EMERGENCY RANGE LT, CG-6P (L)
EMERGENCY RANGE LT, CG-493 (-)	12		EMERGENCY RANGE LT, CG-6P (-)
PHOTORESISTOR, 1ST LEAD			EMERGENCY RANGE LT, CG-493 (S)
PHOTORESISTOR, 2ND LEAD			EMERGENCY RANGE LT, CG-493 (S)

* THE MAX DISTANCE IS 26FT FOR #10 AWG; 39FT FOR #8 AWG.

BILL OF MATERIALS			
ITEM	TYPE	SOURCE OF SUPPLY	QUANTITY
SOLAR PANEL (10W)	G-SEC QPL 401A	ELC	NOTE 3
EMERGENCY SWITCH BOX-DC	ESB-DC	G-SEC	1
PHOTORESISTOR	TYPE L	ELC	1
RANGE LT, RL-14	CARLISLE & FINCH	ELC	NOTE 1
12VDC FLASHER	CG-493 / CG-181	ELC	1
12VDC LAMPCHANGER	CG-6P	ELC	1
LAMPS	12VDC, 1.9A	ELC	6
EMERG BATTERY, LEAD ACID 100AH	S2000	DELCO	NOTE 3

A	8/03	JTG	ADDED CONDUIT AND NOTE 6.	KMD
REV.	DATE	APPR.	DESCRIPTION	BY
DESIGNED: STN			U.S. COAST GUARD HEADQUARTERS CIVIL ENGINEERING STANDARD AID TO NAVIGATION OPTIONAL EMERGENCY RANGE LIGHT (FOR 12VDC MAIN LIGHT)	
DRAWN: STN				
TRACED:				
CHECKED: KA/JTG				
REVIEWED BY: H.R. CLEVELAND				
REVIEWED BY: G-SEC-2A				
REVIEWED BY: L.E. JAEGER				
REVIEWED BY: G-SEC-2				
APPROVED:			CAPT J.A. RAUCH	DATE 5/19/97
			CHIEF, OFFICE OF CIVIL ENGINEERING	
UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES. TOLERANCES: DIM. ANG.			DRAWING NUMBER	REV.
			140505	A
			SCALE: NONE	SHEET 1 OF 1